

SPRINT-3

Team ID	PNT2022TMID53713
Project Name	Gas Leakage Monitoring and Alerting System

S.NO	Tools & Technology Used
1	MIT App Inventor – For Creating Application
2	Cloudant DB – Used as a Database to store the received sensor data
3	Manual Testing – Apps are tested manually

BLOCK CREATION:

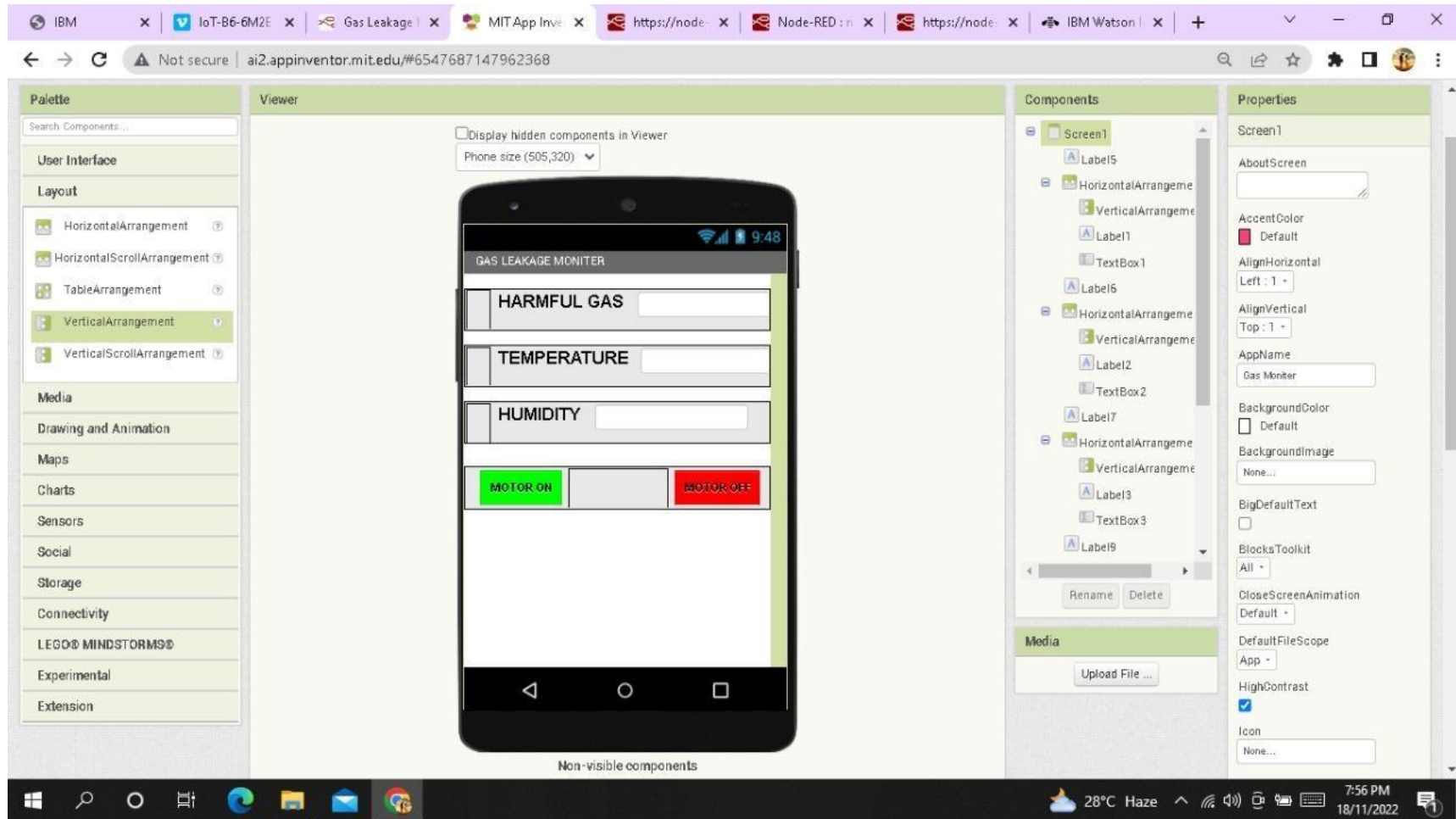
The screenshot displays the App Inventor interface for a project named "Gas_monitor". The top bar includes buttons for "Screen1", "Add Screen...", "Remove Screen", and "Publish to Gallery", along with "Designer" and "Blocks" tabs. The left sidebar, titled "Blocks", lists categories: Built-in, Screen1, Label5, HorizontalArranger, VerticalArranger, Label1, TextBox1, and Label6. The main workspace, titled "Viewer", shows a visual programming logic with the following blocks:

- when Clock1 - Timer**
 - do
 - set Web1 - Url to "https://node-red-logs-2022-11-05.au-syd.mybluem."
 - call Web1 - Get
- when Web1 - Got Text**

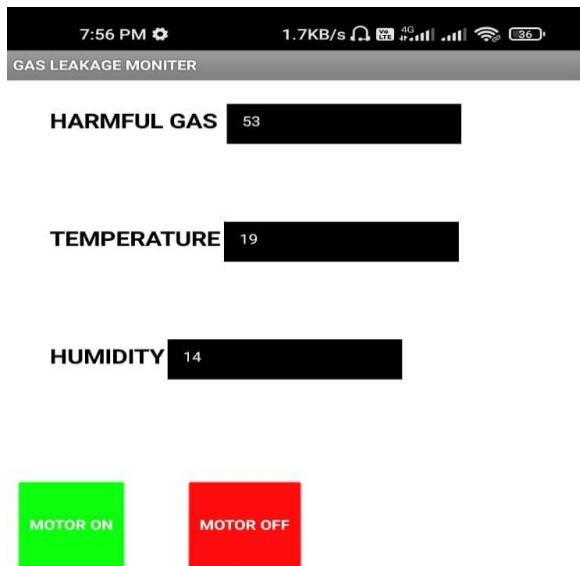
url	responseCode	responseType	responseContent
do	set TextBox1 - Text to	look up in pairs key	"harmful_gas"
		pairs	call Web1 - JsonTextDecode
			jsonText get responseContent
		notFound	"not found"
set TextBox2 - Text to	look up in pairs key	"temperature"	
	pairs	call Web1 - JsonTextDecode	
		jsonText	get responseContent
		notFound	"not found"
set TextBox3 - Text to	look up in pairs key	"humidity"	
	pairs	call Web1 - JsonTextDecode	
		jsonText	get responseContent
		notFound	"not found"
- when Button1 - Click**
 - do
 - set Web2 - Url to "https://node-red-logs-2022-11-05.au-syd.mybluem."
 - call Web2 - Get
- when Button2 - Click**
 - do
 - set Web2 - Url to "https://node-red-logs-2022-11-05.au-syd.mybluem."
 - call Web2 - Get

At the bottom left of the workspace, there are warning indicators (a yellow triangle with an exclamation mark and a red circle with an X, both showing "0") and a "Show Warnings" button. On the right side, there are icons for a backpack, a target, zoom in (+), zoom out (-), and a trash can.

Home screen :



MOBILE SCREEN:



CLOUDANT DB:

The screenshot displays the Cloudant web interface for a database named 'gasmonitor_db'. The left sidebar contains navigation options: All Documents, Query, Permissions, Changes, and Design Documents. The main area shows a table of documents with columns for 'id', 'key', and 'value'. The 'value' column contains JSON objects with a 'rev' field. The interface includes a 'Create Document' button and a 'Showing document 1 - 20' status bar at the bottom.

id	key	value
02105e0e7483256f3d9454b6721ef60f	02105e0e7483256f3d9454b6721ef60f	{ "rev": "1-d3162ddba6ceb8ca43786..." }
02105e0e7483256f3d9454b67223b5...	02105e0e7483256f3d9454b67223b5...	{ "rev": "1-14a77531dc5cc744c7094..." }
02105e0e7483256f3d9454b67224cb...	02105e0e7483256f3d9454b67224cb...	{ "rev": "1-60d3cb6ba1c543ff967b09..." }
02105e0e7483256f3d9454b67224fa...	02105e0e7483256f3d9454b67224fa...	{ "rev": "1-ab091c75d85d3b2fb6790..." }
02105e0e7483256f3d9454b672284e...	02105e0e7483256f3d9454b672284e...	{ "rev": "1-707007af60f6ee86a34219..." }
02105e0e7483256f3d9454b6722876...	02105e0e7483256f3d9454b6722876...	{ "rev": "1-fc8a4900e8b835bb12d47..." }
04917f2365d1f680db461b98b0395f48	04917f2365d1f680db461b98b0395f48	{ "rev": "1-5c519fa45b00678909ad9f..." }
04917f2365d1f680db461b98b03b3a0a	04917f2365d1f680db461b98b03b3a0a	{ "rev": "1-c759ef73900eac5d1dbf7ff..." }
04917f2365d1f680db461b98b04075...	04917f2365d1f680db461b98b04075...	{ "rev": "1-6cc691c3c4f57986c448b5..." }
04917f2365d1f680db461b98b045c65c	04917f2365d1f680db461b98b045c65c	{ "rev": "1-87a40f2b8fd1bde87c466e..." }
04917f2365d1f680db461b98b0497d...	04917f2365d1f680db461b98b0497d...	{ "rev": "1-5c5b63535e1d78dea1e2d..." }